1) Complete the tables of values and then graph the equation on the number plane.

a $y = x + 5$

x	y	(x, y)
0		
1		
2		
3		

b $y = 2x + 3$

x	y	(x, y)
−1		
0		
1		
2		

c $y = 3x - 2$

x	y	(x, y)
−1		
0		
1		
2		

2) Match the rules listed with the appropriate table of values:

A $y = x + 4$ **B** $y = 3 - x$ **C** $y = 5 - 2x$ **D** $y = 3x - 1$

a

X	−4	−2	0	2	4
Y	7	5	3	1	−1

c

X	1	2	3	4	5
Y	2	5	8	11	14

b

X	−3	−2	−1	0	1	2	3
Y	11	9	7	5	3	1	−1

d

X	−5	−3	−1	1	3	5
Y	−1	1	3	5	7	9

3) Find the linear rule that describes the relationship between x and y and use it to complete each table.

a

X	−3	−2	−1	0	1	2	3
Y	0	1	2	3			

b

X	−3	−2	−1	0	1	2	3
Y				−4	−2	0	2

c

X	−3	−2	−1	0	1	2	3
Y	8	7	6				2

d

X	−3	−2	−1	0	1	2	3
Y			−3	−1	1	3	